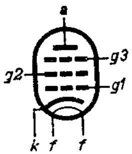
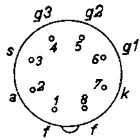
PHILIPS **UF 42**

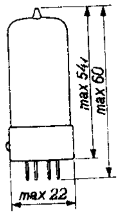
R.F. PENTODE for use as wide-band amplifier
PENTHODE H.F. pour utilisation en amplificatrice à large bande
H.F.PENTODE zur Verwendung als Breitbandverstärker

Heating:	indirect by A.C. or D.C.; series supply	
Chauffage:	indirect par C.A. ou C.C.; alimentation en série	I_f = 100 mA
Heizung:	indirekt durch Wechsel- oder Gleichstrom; Serienspeisung	V_f = 21 V

Dimensions in mm
Dimensions en mm
Abmessungen in mm







Base, culot, Sockel: RIMLOCK

Capacitances
Capacités
Kapazitäten

C_a	=	4,3 pF
C_{g1}	=	8,6 pF
C_{ag1}	<	0,006 pF
C_{g1f}	<	0,2 pF

Typical characteristics
Caractéristiques types
Kenndaten

V_a	=	170 V
V_{g3}	=	0 V
V_{g2}	=	170 V
V_{g1}	=	-2 V
I_a	=	10 mA
I_{g2}	=	2,8 mA
S	=	8 mA/V
μ_{g2g1}	=	52
R_i	=	0,3 MΩ
R_{eq}	=	1060 Ω

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Operating characteristics
Caractéristiques d'utilisation
Betriebsdaten

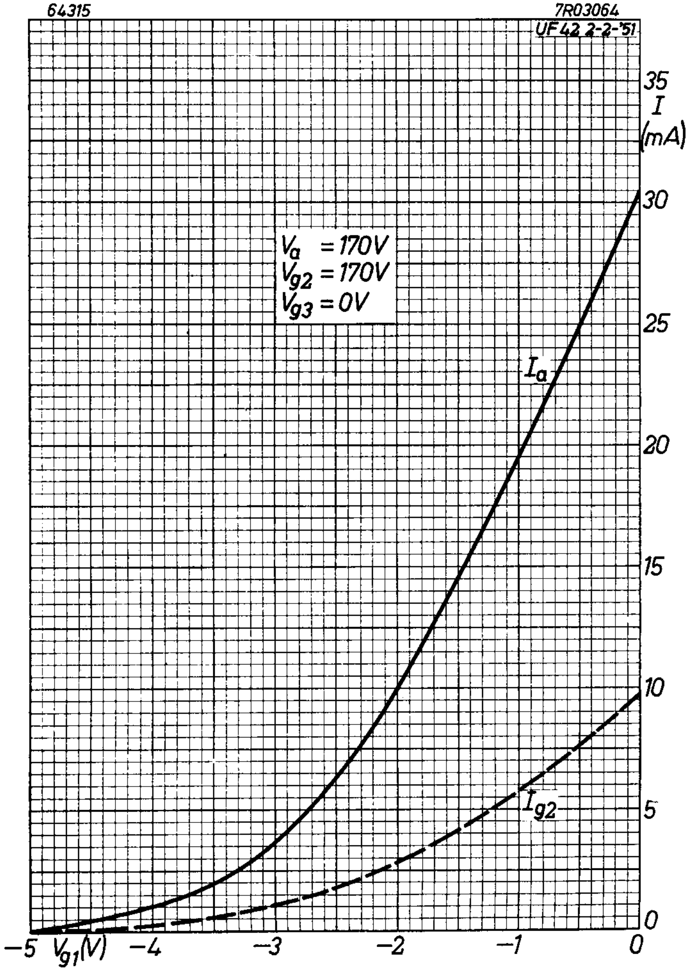
V_a	=	170 V
V_{g3}	=	0 V
V_{g2}	=	170 V
I_a	=	10 mA
f	=	100 Mc/s
Bandwidth Largeur de bande Bandbreite	=	0,8 Mc/s
G	=	1000

Limiting values
Caractéristiques limites
Grenzdaten

V_{a_0}	= max.	550 V
V_a	= max.	250 V
W_a	= max.	2 W
V_{g2_c}	= max.	550 V
V_{g2}	= max.	250 V
W_{g2}	= max.	0,5 W
I_k	= max.	15 mA
$-V_{g1}$	= max.	100 V
V_{g1} (I_{g1}=+0,3μA)	= max.	-1,3 V
R_{g1}	= max.	1 MΩ[1])
V_{kf}	= max.	150 V
R_{kf}	= max.	20 kΩ

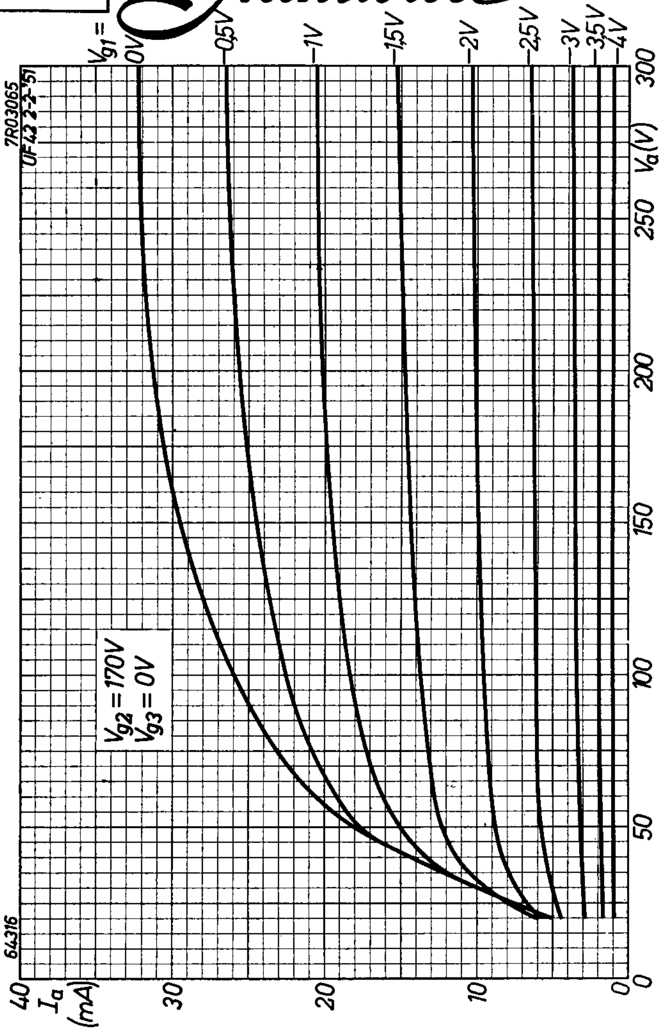
[1]) With automatic grid bias
A polarisation négative automatique
Mit automatischer negativer Gittervorspannung

"Miniwatt" UF 42



UF 42

"Miniwatt"



B

PHILIPS

Electronic Tube

HANDBOOK

UF42

page	sheet	date
1	1	1950.12.12
2	2	1950.12.12
3	A	1951.02.02
4	B	1951.02.02
5	FP	2000.07.09